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DD/A Registry

83-4997

## ROUTING AND RECORD SHEET

SUBJECT: (Optional)

FROM:

EXTENSION

NO.

Director of Communications  
2B07 Page

DATE

23 November 1983

TO: (Officer designation, room number, and building)

DATE

RECEIVED

FORWARDED

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1. DDA

25 NOV 1983

[Signature]

Harry,

2.

28 NOV 1983

[Signature]

The enclosed telepouch demonstrates RECAP taking place. As you will see, we have laid out our HF upgrade for Africa insofar as we can carry it out in the coming year. We are getting underway in [ ] early in December.

3.

29 NOV 1983

[Signature]

4.

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Enc.

WASHINGTON 730276

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25X1

83-4997

**SECRET**OC/FILE  
OUTGOING

FRP: . . . . .

DEFERRED TELEPOUCH

CONF: OC/FND-3 INFO: ODP-A, RF, FILE, COMMO/RB, OC/FILE, (6/P)

83 2515755 PSR

PAGE 001  
TOT: 290808Z OCT 83

WASHINGTON 730276

S E C R E T  
DEFERRED TELEPOUCH 290808Z WASHINGTON 730276  
TO: AFCA.

FROM: C/OC-FND

SUBJECT: PRS DEPLOYMENT

REFERENCES: A. WASHINGTON 333015, SEP 82  
B. WASHINGTON 412866, DEC 82

1. THE PRS HF REPLACEMENT PROGRAM IS PROCEEDING BASICALLY AS OUTLINED IN REFS. BUT THERE HAVE BEEN SOME CHANGES AND WE WOULD LIKE TO TAKE THIS OPPORTUNITY TO PROVIDE YOU WITH AN UPDATE ON THE MOST RECENT DEVELOPMENTS. FIRST OF ALL, WE HAD ORIGINALLY INTENDED, AS STATED IN REF A, TO PROCURE 30 PRS-6 AND EIGHT PRS-7 SYSTEMS WITH FY-83 FUNDS. BECAUSE OF SUPPLEMENTAL YEAR-END FUNDING, WE HAVE BEEN ABLE TO INCREASE THE NUMBER OF SYSTEMS BEING PROCURED IN FY-83 TO 43 PRS-6'S, 13 PRS-7'S AND TWO PRS-8 SYSTEMS. TO DATE, WE HAVE TAKEN DELIVERY OF ONE PRS-7, ONE PRS-8 AND ARE ABOUT TO TAKE DELIVERY OF THREE PRS-6 SYSTEMS IN LATE OCTOBER. SIX PRS-6'S ARE SCHEDULED FOR DELIVERY IN LATE NOVEMBER. BEGINNING IN DECEMBER, PRS SYSTEMS WILL BE DELIVERED AT A RATE OF NINE PER QUARTER.

2. THE ORIGINAL PLAN WAS TO DEPLOY THE PRS-6 WITH ONLY TWO FREDERICK 1273 MODEMS AND THE PRS-7 WITH ONLY FOUR 1273 MODEMS. FOLLOWING A REVIEW OF THESE CONFIGURATIONS IT WAS CONCLUDED THAT ADDITIONAL SYSTEM FLEXIBILITY WAS NEEDED AND THUS, THE DECISION WAS MADE TO ADD A THIRD 1273 MODEM TO THE PRS-6 AND A FIFTH MODEM TO THE PRS-7. INITIALLY, THE TEKTRONIX MODEL 5440 OSCILLOSCOPE (AN OPTIONAL FEATURE) WILL NOT BE INCLUDED AS A PART OF THE PRS SYSTEMS.

TRANSMIT ANTENNAS. INASMUCH AS THE NEW SELCAL UNIT AND TRANSMIT ANTENNAS ARE NOT EXPECTED TO BE AVAILABLE UNTIL MID CY-84, IT WILL BE NECESSARY TO CONTINUE TO USE THE COOKE 131 SELCAL AND EXISTING TRANSMIT ANTENNAS WITH THE NEW PRS SYSTEMS. ONCE THE NEW SELCAL AND TRANSMIT ANTENNAS ARE AVAILABLE, HF SYSTEMS WHICH HAVE ALREADY BEEN DEPLOYED WILL BE RETROFITTED ACCORDINGLY. THERE ARE NO IMMEDIATE PLANS TO REPLACE EXISTING RECEIVE ANTENNA SYSTEMS WITH NEW GENERATION EQUIPMENT. IF NOT ALREADY DONE, RG-214 COAX WILL BE INSTALLED ON EXISTING RECEIVE ANTENNAS.

4. IN ACCORDANCE WITH RECAP PLANNING, PRS INSTALLATIONS WILL BE PERFORMED BY TWO-PERSON CONTRACTOR TEAMS PROVIDED BY HOS. THE AREAS WILL BE REQUIRED TO PROVIDE A TEAM LEADER TO OVERSEE THE VARIOUS ACTIVITIES OF THE CONTRACTOR TEAMS. WE ARE ATTEMPTING TO IDENTIFY SUFFICIENT NUMBERS OF QUALIFIED PERSONNEL TO FIELD UP TO AS MANY AS SIX TWO-PERSON TEAMS TO SUPPORT THE PRS INSTALLATION EFFORT.

5. AS PRESENTLY CONFIGURED, THERE IS NO PROVISION ON THE NEW PRS SYSTEMS TO ENABLE OFF-LINE OPERATION WITHOUT RESORTING TO THE USE OF AN UMBILICAL CORD IN CONJUNCTION WITH TERMINAL EQUIPMENT USED FOR RED PROCESSING. WE ARE IN THE PROCESS OF IDENTIFYING A UTILITY TERMINAL TO BE USED FOR TELECONS AND OFF-LINE OPERATION. BUT UNTIL THIS BECOMES A REALITY, IT WILL BE NECESSARY AT LEAST OVER THE NEAR TERM, TO CONTINUE WITH THE

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TOT: 290808Z OCT 83

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25X1) INSTALL A PRS-7 SYSTEM AT [ ] HOWEVER, BASED ON DISCUSSIONS WITH FORMER CHIEF, AFCA OPERATIONS, SPACE CONSTRAINTS MIGHT PROHIBIT INSTALLING A PRS-7. REQUEST AFCA COMMENTS REGARDING THE MOST APPROPRIATE HF SYSTEM, PARTICULARLY AS THEY PERTAIN TO THE AMOUNT OF ROOF SPACE WHICH WOULD BE AVAILABLE FOR ANTENNAS.

10. SUBJECT TO AFCA'S CONCURRENCE REGARDING SELECTION OF THE ABOVE FACILITIES FOR HF UPGRADES, SURVEY QUESTIONNAIRES WILL BE FORWARDED TO EACH STATION FOR COMPLETION AND RETURN TO HOS. ONCE ALL THE UNCERTAINTIES SURROUNDING EQUIPMENT DELIVERIES ARE SORTED OUT, SHIPPING DATES WILL BE FORTHCOMING AND INSTALLATION SCHEDULES FIRMED UP. THE REMAINING STATIONS IN THE AFCA AREA WILL BE SCHEDULED FOR HF UPGRADES AS RESOURCES BECOME AVAILABLE.

11. REQUEST AFCA'S COMMENTS ON PROPOSED DEPLOYMENTS AND PREFERRED METHOD OF SHIPMENT, I.E., SHOULD EQUIPMENT BE SHIPPED TO AFCA FOR TRANSHIPMENT OR SHIPPED DIRECT TO POST. ALL SECRET. DECL OADR DRV COM 11.2-82 BY 0235284.>

25X1RIG: OC-FND/OSS/PSRPS [ ]; COORDS: (IN DRAFT)  
ZDA IC-FND/FEB; OC-CSD: OC-AMD/CTB [ ] OC-ED/NSB/RSS:  
ZDA IUTH: OC-FND/OSS [ ] REL: OC-FND [ ]  
END OF MESSAGE SECRET .

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